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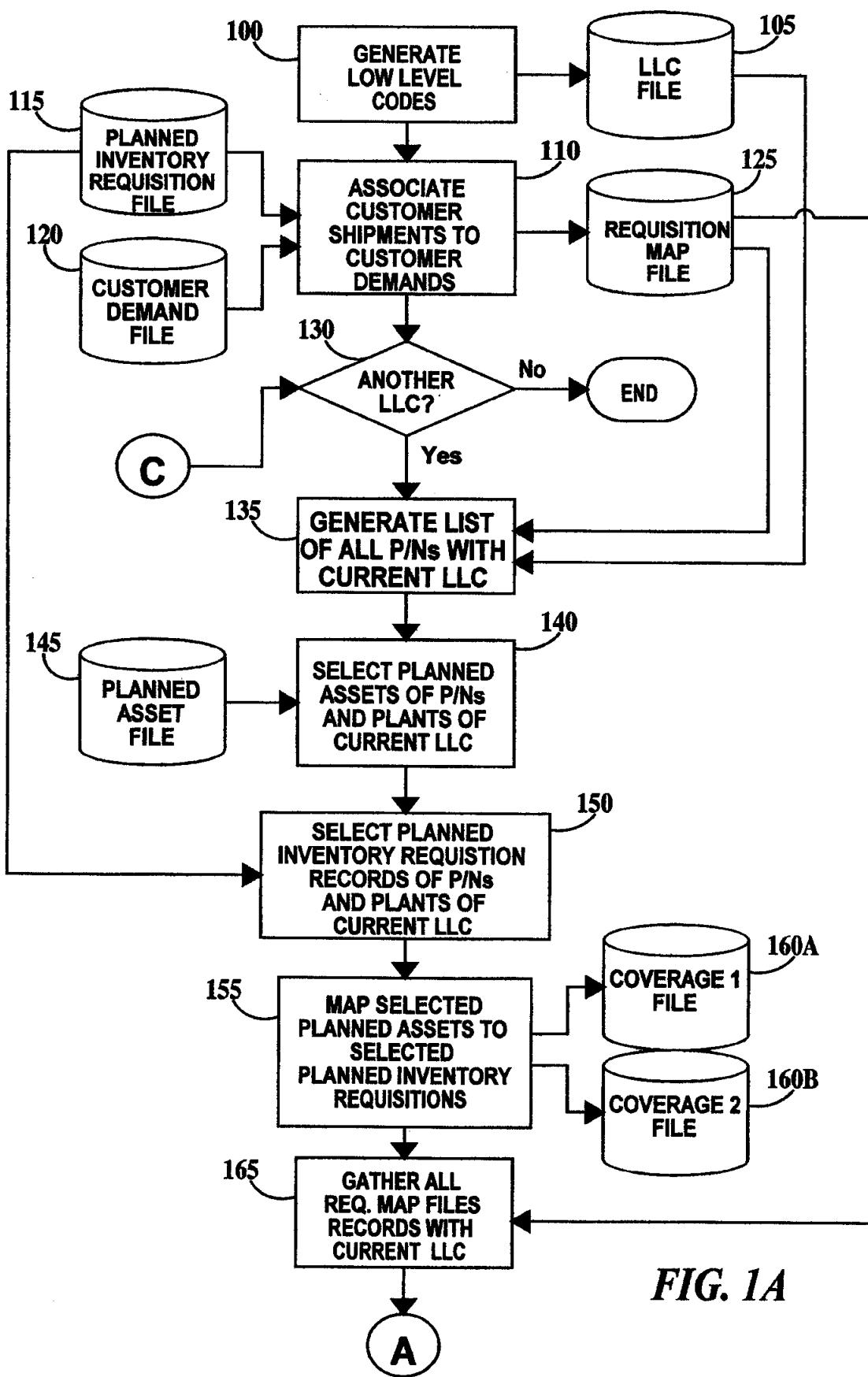
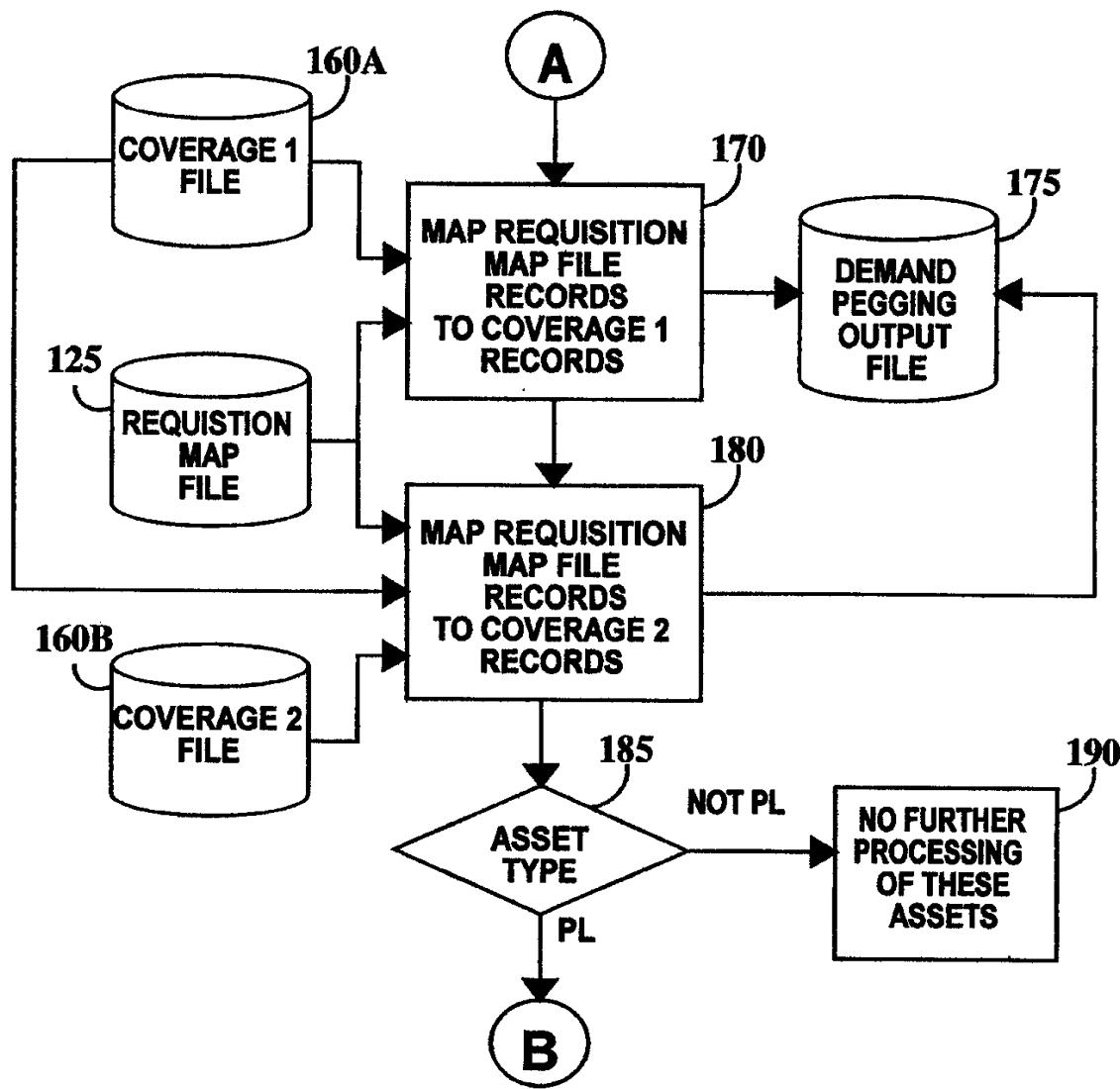


FIG. 1A

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**FIG. 1B**

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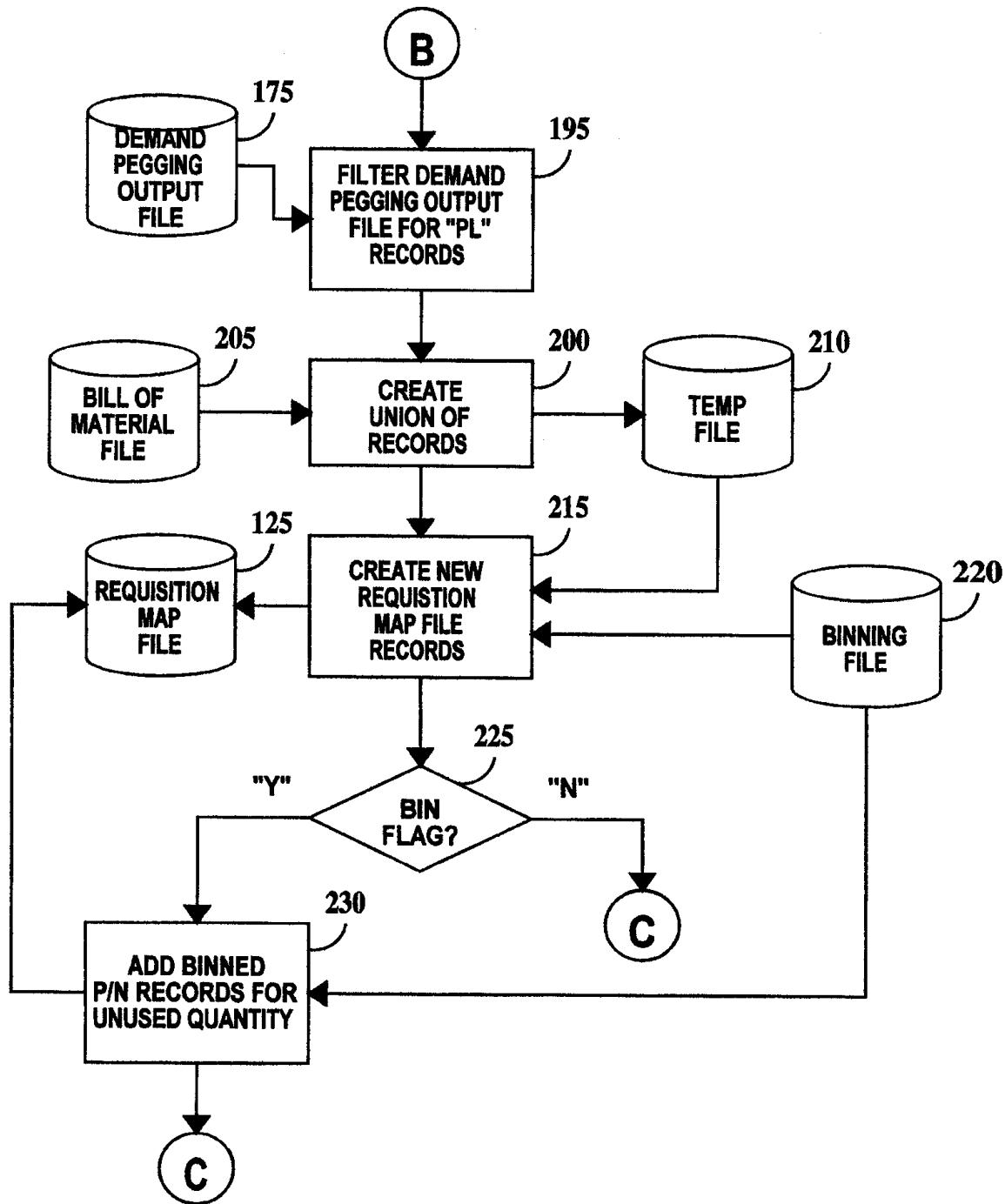


FIG. 1C

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P/N	LLC
-----	-----

A	1
B	2
C	3
D (E)	4

FIG. 2A

P/N	P/N	LLC
-----	-----	-----

A	1
B	2
C	3
D	4
X	
Y	
Z	

P/N	P/N	LLC
-----	-----	-----

A	1
B	2
C	3
D	4
X	
Y	
Z	
	5

FIG. 2B

FIG. 2C

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EXAMPLE PLANNED INVENTORY REQUISITION FILE						
Part Number	Plant	Requisition Type	Requisition Identifier	Planned Asset Reference	Quantity	Date
PN1	PL1	CSHP	500		100	2/10/2004
PN1	PL1	SUB	5	PN2	200	2/20/2004
PN1	PL1	CSHP	503		300	2/28/2004
PN2	PL1	CSHP	502		200	2/20/2004
PN3	PL1	CSHP	600		100	3/2/2004
PN6	PL1	CSHP	601		50	3/5/2004
PN7	PL1	CSHP	602		30	3/8/2004
PN4	PL1	COMP	6	PN3	240	2/26/2004
PN5	PL1	COMP	6	PN3	120	2/26/2004
PN8	PL1	COMP	7	PN6	50	3/1/2004
PN8	PL1	COMP	7	PN7	30	3/1/2004

FIG. 3A

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EXAMPLE CUSTOMER DEMAND FILE					
Part Number	Customer Code	Demand Type	Request Quantity	Request Date	Order Number
PN1	X	Order	50	2/5/2004	2000
PN1	X	Order	50	2/10/2004	2001
PN1	X	Order	300	2/28/2004	2003
PN2	X	Order	200	2/20/2004	2002
PN3	Y	Order	100	3/2/2004	3002
PN6	Y	Order	50	3/5/2004	3003
PN7	Y	Order	30	3/8/2004	3004

FIG. 3B

EXAMPLE REQUISITION MAP FILE (AFTER STEP 1')					
Part Number	Plant	Requisition Type	Requisition Identifier	Reference	Requisition Date
PN1	PL1	CSHP	500		2/10/2004
PN1	PL1	CSHP	500		2/10/2004
PN1	PL1	CSHP	503		2/28/2004
PN2	PL1	CSHP	502		2/20/2004
PN3	PL1	CSHP	600		3/2/2004
PN6	PL1	CSHP	601		3/5/2004
PN7	PL1	CSHP	602		3/8/2004
Part Number	Plant	Requisition Type	Requisition Identifier	Customer P/N	Customer Code
PN1				PN1	X
PN1				PN1	X
PN1				PN1	X
PN2				PN2	X
PN3				PN3	Y
PN6				PN6	Y
PN7				PN7	Y
Part Number	Plant	Requisition Type	Requisition Identifier	Customer P/N	Order Number
PN1				PN1	2000
PN1				PN1	2001
PN1				PN1	2003
PN2				PN2	2002
PN3				PN3	3002
PN6				PN6	3003
PN7				PN7	3004

FIG. 3C

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EXAMPLE PLANNED ASSET FILE					
Part Number	Plant	Asset Type	Asset Identifier	Planned Requisition Reference	Projected Quantity
PN1	PL1	WIP	1		100
PN1	PL1	WIP	2		50
PN1	PL1	WIP	3		150
PN1	PL1	WIP	4		300
PN2	PL1	SUB	5	PN1	200
PN3	PL1	PL	6		100
PN6	PL1	PL	7		50
PN7	PL1	PL	7		30

FIG. 3D

EXAMPLE COVERAGE 1 and COVERAGE 2 FILE					
Part Number	Plant	Asset Type	Asset Identifier	Requisition Type	Planned Inventory Reference
PN1	PL1	WIP	1	CSHP	
PN1	PL1	WIP	2	SUB	PN2
PN1	PL1	WIP	3	SUB	PN2
PN1	PL1	WIP	4	CSHP	
PN2	PL1	SUB	5	CSHP	PN1
PN3	PL1	PL	6	CSHP	
PN6	PL1	PL	7	CSHP	
PN7	PL1	PL	7	CSHP	

FIG. 3E

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EXAMPLE DEMAND PEGGING OUTPUT FILE									
Part Number	Plant	Asset Type	Asset Identifier	Requisition Type	Asset Availability Date	Start Date	Start Quantity	Reference Identifier	Requisition Quantity
Customer P/N	Customer Code	Order Number	Customer Demand Quantity						
PN1	PL1	WIP	1	CSHP	2/10/2004	N/A	N/A	500	50
PN1	PL1	WIP	1	CSHP	2/10/2004	N/A	N/A	500	50
PN1	PL1	WIP	4	CSHP	2/28/2004	N/A	N/A	503	300
PN1	PL1	WIP	2	SUB	2/18/2004	N/A	N/A	PN2	5
PN1	PL1	WIP	3	SUB	2/20/2004	N/A	N/A	PN2	5
PN2	PL1	SUB	5	CSHP	2/20/2004	N/A	N/A	PN1	502
PN3	PL1	PL	6	CSHP	3/2/2004	2/26/2004	120	PN3	100
PN6	PL1	PL	7	CSHP	3/5/2004	3/1/2004	50	PN6	50
PN7	PL1	PL	7	CSHP	3/5/2004	3/1/2004	30	PN7	30

FIG. 3F

EXAMPLE BINNING FILE			
Part Number	Plant	Process	BINNED P/N
PN8	PL1	PR1	PN6
PN8	PL1	PR1	PN7

FIG. 3H

EXAMPLE BILL OF MATERIALS FILE			
Part Number	Plant	Process	Component P/N
			BOM Quantity
PN3	PL1	PR1	PN4
PN3	PL1	PR1	PN5
PN6	PL1	PR1	PN8
PN7	PL1	PR1	PN8

FIG. 3G

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EXAMPLE TEMP FILE

Part Number	Plant	Asset Type	Asset Identifier	Requisition Type	Asset Availability Date	Start Date	Start Quantity	Reference Identifier	Requisition Quantity	Customer PIN	Customer Code	Order Number
PN3	PL1	PL	6	CSHP	3/2/2004	2/26/2004	120		600	100	PN3	Y
PN3	PL1	PL	6	CSHP	3/2/2004	2/26/2004	120		600	100	PN3	Y
PN6	PL1	PL	7	CSHP	3/5/2004	3/1/2004	50		601	50	PN6	Y
PN7	PL1	PL	7	CSHP	3/5/2004	3/1/2004	30		602	30	PN7	Y

Customer Demand

Customer Demand Quantity	Component PIN	BOM Quantity	BIN FLAG
100	PN4	2	N
100	PN5	1	N
50	PN8	1	Y
30	PN8	1	Y

FIG. 31

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EXAMPLE REQUISITION MAP FILE (AFTER STEP 215)								
Part Number	Plant	Requisition Type	Requisition Identifier	Reference Date	Requisition Date	Consumption Quantity	Customer P/N	Customer Code
								Order Number
PN1	PL1	CSHP	500		2/10/2004	50	PN1	X
PN1	PL1	CSHP	500		2/10/2004	50	PN1	X
PN1	PL1	CSHP	503		2/28/2004	300	PN1	X
PN2	PL1	CSHP	502		2/20/2004	200	PN2	X
PN3	PL1	CSHP	600		3/22/2004	100	PN3	Y
PN6	PL1	CSHP	601		3/5/2004	50	PN6	Y
PN7	PL1	CSHP	602		3/8/2004	30	PN7	Y
PN4	PL1	COMP	6	PN3	2/26/2004	240	PN3	Y
PN5	PL1	COMP	6	PN3	2/26/2004	120	PN3	Y
PN8	PL1	COMP	7	PN6	3/1/2004	50	PN6	Y
PN8	PL1	COMP	7	PN7	3/1/2004	30	PN7	Y
								3004
								30

FIG. 3J

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EXAMPLE REQUISITION MAP FILE (AFTER STEP 230)

Part Number	Plant	Requisition Type	Requisition Identifier	Reference	Requisition Date	Consumption Quantity	Customer PN	Customer Code	Order Number	Customer Demand Quantity
PN1	PL1	CSHP	500		2/10/2004	50	PN1	X	2000	50
PN1	PL1	CSHP	500		2/20/2004	50	PN1	X	2001	50
PN1	PL1	CSHP	503		2/28/2004	300	PN1	X	2003	300
PN2	PL1	CSHP	502		2/20/2004	200	PN2	X	2002	200
PN3	PL1	CSHP	600		3/2/2004	100	PN3	Y	3002	100
PN6	PL1	CSHP	601		3/5/2004	50	PN6	Y	3003	50
PN7	PL1	CSHP	602		3/8/2004	30	PN7	Y	3004	30
PN4	PL1	COMP	6	PN3	2/28/2004	240	PN3	Y	3002	100
PN5	PL1	COMP	6	PN3	2/26/2004	120	PN3	Y	3002	100
PN8	PL1	COMP	7	PN6	3/1/2004	50	PN6	Y	3003	50
PN8	PL1	COMP	7	PN7	3/1/2004	30	PN7	Y	3004	30
PN8	PL1	COMP	7	PN6	3/1/2004	20	PN6	UNUSED	3003	50

FIG. 3K

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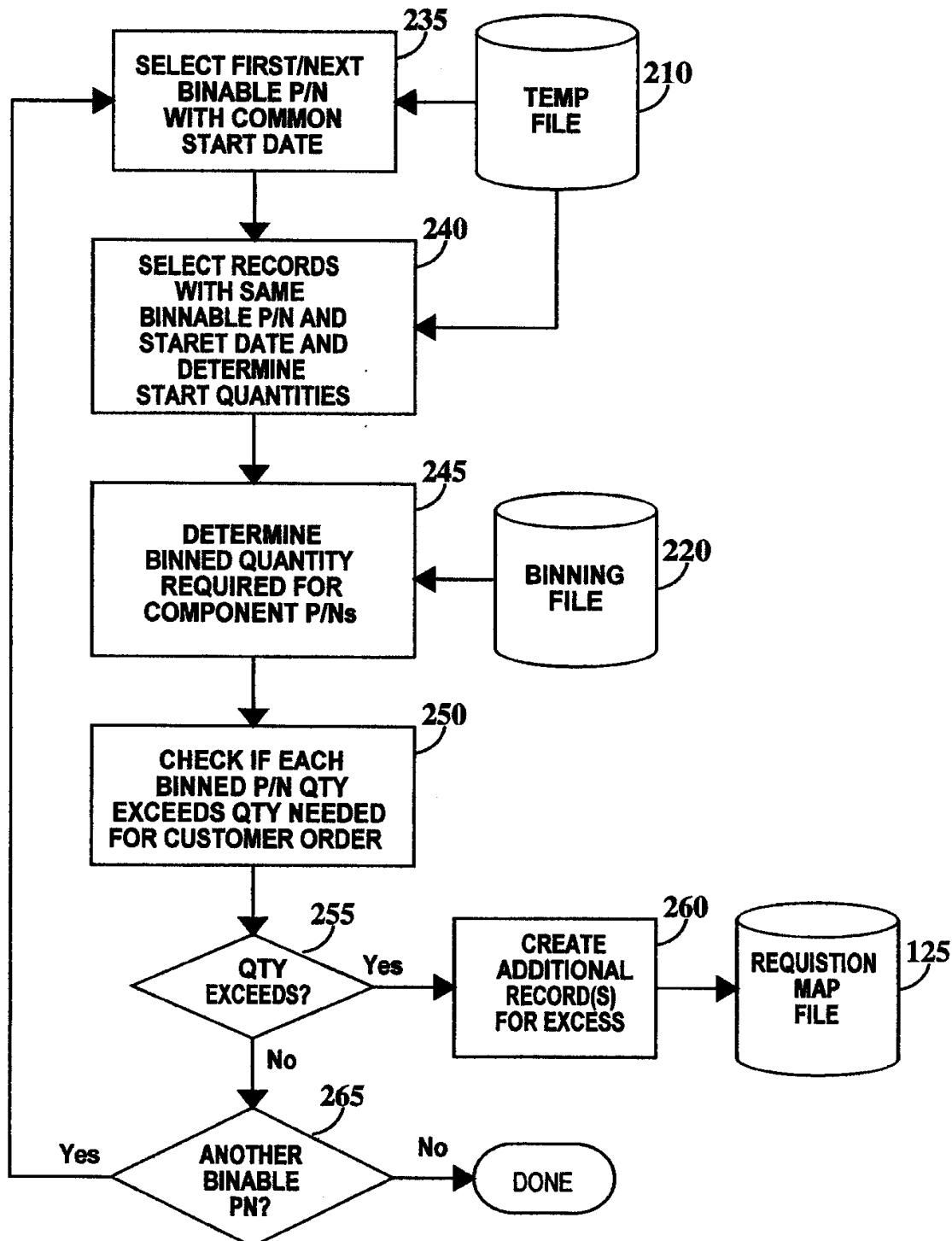


FIG. 4

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EXAMPLE OF DEMAND PEGGING WITH BINNING INPUT

PN1 IS PRODUCT WHICH IS BINABLE
70% BECOMES BINNED PN2
30% BECOMES BINNED PN3

CUSTOMER ORDERS:
CUSTOMER ORDER 1, PN2 QUANTITY 50
CUSTOMER ORDER 2, PN3 QUANTITY 30

PRODUCTION SCHEDULE RUN
WIP LOT 1, COMPONENT DEMAND PN 1 QUANTITY 100

DEMAND PEGGING RESULT
WIP LOT1 - CUSTOMER ORDER 1, QUANTITY 50
WIP LOT1 - CUSTOMER ORDER 2, QUANTITY 30
WIP LOT1 - UNUSED, QUANTITY 20

FIG. 5A**EXAMPLE OF DEMAND PEGGING WITH BINNING**

STEP 1 - ASSIGN ASSETS
A - ASSIGN 50 PIECES TO COMPONENT DEMAND 1
SHIPMENT OF PN2 TO CUSTOMER ORDER 1
B - ASSIGN 30 PIECES TO COMPONENT DEMAND 1
SHIPMENT OF PN3 TO CUSTOMER ORDER 2

STEP 2 - CALCULATE ASSET DISTRIBUTION
A - 100 PN1 COMPONENT DEMAND 1 X 70% = 70 PIECES TO PN2
SINCE ONLY 50 WAS ASSIGNED IN STEP 1,
ASSIGN REMAINING 20 TO "UNUSED",
AND CREATE NEW RECORD
B - 100 PN2 COMPONENT DEMAND 1 X 30% = 30 PIECES TO PN3
SINCE THIS AMOUNT WAS ASSIGNED IN STEP 1,
NO FURTHER ACTION NEEDED

FIG. 5B

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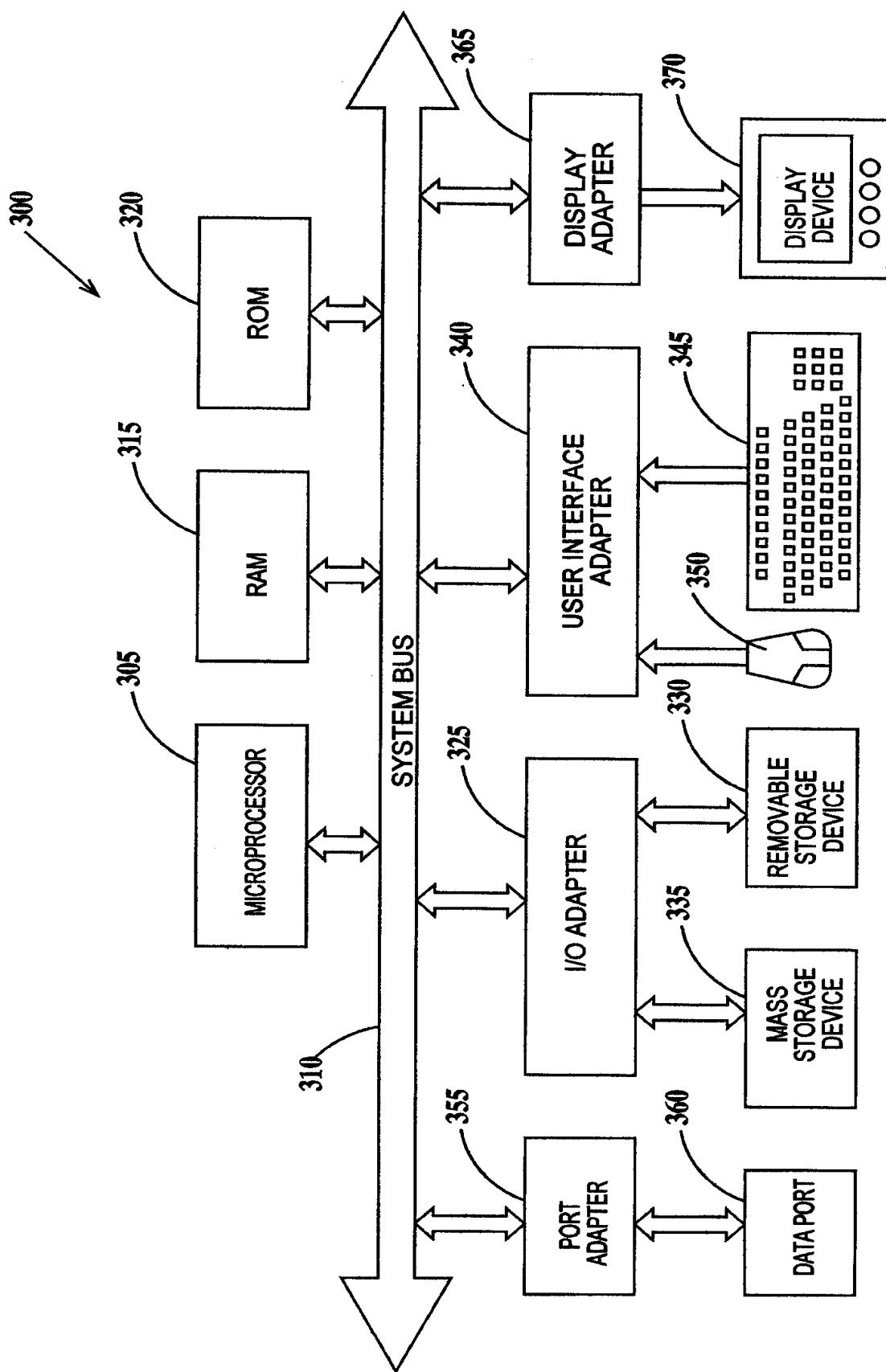


FIG. 6